



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### In re Application of:

Lund et al.

Serial No.: 10/727,093

Filed: December 2, 2003

For: METHOD AND APPARATUS FOR

SUPPRESSION OF FIRES

Confirmation No.: Unknown

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 2507-6011US

(22032-US)

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 23, 2003

Date

Deidra Pfeil Name (Type/Print)

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in

37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

## U.S. Patent Documents

U.S. Patent No.	Publication Date	<u>Patentee</u>
US - 1,839,658	01/05/1932	Dugas
US - 2,841,227	07/01/1958	Betzler
US - 3,255,824	06/14/1966	Rodgers
US - 3,641,935	02/15/1972	Gawlick et al.
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US - 3,972,820	08/03/1976	Filter et al.
US - 4,064,944	12/27/1977	McClure et al.
US - 4,224,994	09/30/1980	Tone et al.
US - 4,505,336	03/19/1985	Thevis et al.
US - 4,601,344	07/22/1986	Reed, Jr. et al.
US - 4,807,706	02/28/1989	Lambertsen et al.
US - 4,909,549	03/20/1990	Poole et al.
US - 4,931,111	06/05/1990	Poole et al.
US - 5,035,757	07/30/1991	Poole
US - 5,423,384	06/13/1995	Galbraith et al.
US - 5,425,886	06/20/1995	Smith
US - 5,429,691	07/04/1995	Hinshaw et al.
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US - 5,441,114	08/15/1995	Spector et al.
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US-5,495,893	03/05/1996	Roberts et al.
US- 5,588,493	12/31/1996	Spector et al.

## Serial No. 10/727,093

US- 5,609,210	03/11/1997	Galbraith et al.
US- 5,613,562	03/25/1997	Galbraith et al.
US- 5,762,145	06/09/1998	Bennett
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US- 6,012,533	01/11/2000	Cramer
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US- 6,560,991 B1	05/13/2003	Kotliar
US- 6,599,380 B1	07/29/2003	Zeuner et al.

### Other Documents

"Water Mist-Fire-Suppression Experiment," NASA Glenn Research Center, Dec. 2001, 3 pages.

Applicants offer to supply any explanation or discussion of the documents that the Examiner feels is necessary or desirable and which is requested.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,

Bradley B. Jensen

Registration No. 46,801

Attorney for Applicants

TRASKBRITT

P.O. Box 2550

Salt Lake City, Utah 84110-2550

Telephone: 801-532-1922

Date: December 23, 2003

BBJ/dlm:djp

Enclosures: Form PTO-1449 or PTO/SB/08

Cited Documents

Document in ProLaw





PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute	for form 1449A/PTO	1		Complete if Known		
INFO	RMATIO	N DIS	CLOSURE	Application Number	10/727,093	
STAT	EMENT F	RY AT	PPLICANT	Filing Date	December 2, 2003	
	BIVIEIVI	<i>.</i>	Licitivi	First Named Inventor	Lund et al.	
				Group Art Unit	Unknown	
	(use as many sh	eets as n	ecessary)	Examiner Name	Unknown	
Sheet	1	of	3	Attorney Docket Number	2507-6011US (22032-US)	

			U.S. PATENT I	<del></del>	····
Examiner Initials *	Cite No. <sup>1</sup>		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-1,839,658	01/05/1932	Dugas	
		US- 2,841,227	07/01/1958	Betzler	
		US- 3,255,824	06/14/1966	Rodgers	
	Ĭ	US- 3,641,935	02/15/1972	Gawlick et al.	
		US- 3,741,585	06/26/1973	Hendrickson et al.	
		US- 3,806,461	04/23/1974	Hendrickson et al.	
		US- 3,972,820	08/03/1976	Filter et al.	
		US- 4,064,944	12/27/1977	McClure et al.	
		US- 4,224,994	09/30/1980	Tone et al.	
		US- 4,505,336	03/19/1985	Thevis et al.	
		US- 4,601,344	07/22/1986	Reed, Jr. et al.	
		US- 4,807,706	02/28/1989	Lambertsen et al.	
		US- 4,909,549	03/20/1990	Poole et al.	
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***	1	US- 5,425,886	06/20/1995	Smith	
		US- 5,429,691	07/04/1995	Hinshaw et al.	
		US- 5,439,537	08/08/1995	Hinshaw et al.	
		US- 5,441,114	08/15/1995	Spector et al.	
		US- 5,449,041	09/12/1995	Galbraith	
		US-5,495,893	03/05/1996	Roberts et al.	
		US- 5,588,493	12/31/1996	Spector et al.	
		US- 5,609,210	03/11/1997	Galbraith et al.	

Examiner Signature	Date Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.





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INFO	RMATION	DIS	CLOSURE	Application Number	10/727,093	
STAT	EMENT BY	VAP	PLICANT	Filing Date	December 2, 2003	
STATEMENT DI ATTEICANT				First Named Inventor	Lund et al.	
				Group Art Unit	Unknown	
	(use as many shee	ets as ne	cessary)	Examiner Name	Unknown	
Sheet	2	of	3	Attorney Docket Number	2507-6011US (22032-US)	

		Document Number	Publication Date	Name of Patentee or Applicant of	Daniel Calendaria III and Dalaman
Examiner Initials *	Cite No.1	Cite	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,613,562	03/25/1997	Galbraith et al.	
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		US- 5,845,716	12/08/1998	Birk	
-		US- 5,957,210	09/28/1999	Cohrt et al.	
		US- 5,992,530	11/30/1999	Sundholm	
		US- 5,996,699	12/07/1999	Sundholm	
		US- 6,012,533	01/11/2000	Cramer	
		US- 6,016,874	01/25/2000	Bennett	
		US- 6,024,889	02/15/2000	Holland et al.	
		US- 6,039,820	03/21/2000	Hinshaw et al.	
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		US- 6,401,487 B1	06/11/2002	Kotliar	
		US- 6,418,752 B2	07/16/2002	Kotliar	
		US- 6,502,421 B2	01/07/2003	Kotliar	
		US- 6,557,374 B2	05/06/2003	Kotliar	
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Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/727,093

Filing Date December 2, 2003

First Named Inventor Lund et al.

Group Art Unit Unknown

Examiner Name Unknown

Attorney Docket Number 2507-6011US (22032-US)

(use as many sheets as necessary)

Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Water Mist-Fire-Suppression Experiment," NASA Glenn Research Center, Dec. 2001, 3 pages.	
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Examiner	Da	ate	
Signature	Co	onsidered	

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